

M2.01.7 Dense Graded Crushed Stone for Sub-base.

This specification covers the quality and gradation requirements for a sub-base material combining crusher-run coarse aggregates of crushed stone (trap only, meeting M2.01.0,1) and fine aggregates of natural sand or stone screenings uniformly premixed with a predetermined quantity of water.

Coarse aggregate shall consist of hard, durable particles or fragments of stone. Materials that break up when alternately frozen and thawed or wetted and dried shall not be used.

Coarse aggregate shall have a percentage of wear, by the Los Angeles test, of not more than 45.

Fine aggregate shall consist of natural or crushed sand.

The composite material shall be free from clay, loam or other plastic material, and shall conform to the following grading requirements:

Sieve Designation	Percentage by Mass Passing Square Mesh Sieves
50 mm	100
37.5 mm	70 - 100
19.0 mm	50 - 85
4.75 mm	30 - 55
300 µm	8 - 24
75 µm	3 - 10

Sampling and testing shall be in accordance with the following standard AASHTO methods:

Sieve Analysis	T 27
Passing 75 µm	T 11

The use of Processed Glass Aggregate (PGA) meeting the requirements of M2.01.8 will be allowed at a maximum addition rate of 10% by mass, providing the blended material is homogeneous and the physical requirements of dense graded crushed stone are maintained.